

Isolation of Cellulose from the Husks of Grain Crops
and its Characteristics, by M. S. Dudkin, N. G.
Shkantova, 4 pp.

RUSSIAN, no per, Zhur Prii Khim SSSR, Vol XXIX,
No 6, Jun 1956, pp 922-924.

6

Consultants Bureau

47,171

Sci - Chemistry
May 57

The Molybdotitanophosphate Complex, by
A. K. Babko, Yu. F. Shkaravskiy, 5 pp.

RUSSIAN, per, Zhur Neorgan Khim, No 9, 1961,
pp 2091-2097.

Cleaver-Burn Press Ltd.

Sci
Oct 62

213,564

The Calculation and Aerodynamic Testing of
Regulating Valves, by S. N. Shkarbul. UNCL

RUSSIAN, per, Energi Mashinostroyeniye, No 1,
1958, pp 12-15.

DSIR 34163/CT

Sci - Engr
Mar 59

83 389

The Electromagnetic Field of a Turn Carrying an
Alternating Current Above a Conducting Plate,
by V. P. Shmolev, Yu. M. Shkarlet, 8 pp.

RUSSIAN, per, Zhur Tekh ~~XXX~~ Fiz, Vol XXXIV, No 1,
1964, pp 131-141.

Amer Inst of Phys
Sov Phys - Tekh Phys
Vol IX, No 1

Sci-
Aug 64

265,406

(DC-4214)

Physiological-Hygienic Evaluation of Improved
Models of Gasoline-Driven Saws, by ~~E~~ N. N.
Malinskaya, L. N. Shkarinov, 13 pp.

RUSSIAN, per, Gig Trud i Professional Zavod,
No 5, 1960, pp 16-23.

JPRS 6233

Sci - Med

Nov 60

133,362

71
Contactless Phase Inverter, by
V. P. Deminshin, Yu. M. Shkarlet, 2 pp.
RUSSIAN, rpt, Patent 173019 (072670/26-9)
Class 2106. 77, 27 December 1963, pp 1-2.
KIN/PAT/DT-23-950-61

Sol/Hav, Com, Det, Gntroson 353,196
Jan 69

yu. m. Shkarlet

Dynamics of an Elastic and Viscoelastic
Shell Filled With an Ideal Fluid, by
Yu. S. Shkemy, 10 pp.
RUSSIAN, per, Teoriya Obolochek i Plastinki,
Vol IV, 1964, pp 99/-1007.
CIA/FID X-5956

Sci - Phys

Dec 66

USIB Internal Use Only

314,183

(SF-1878)

The Main Road, by G. Ya. Shkhvatsabaya,
4 pp.

RUSSIAN, np, Zarya Vostoka, 17 Aug 1961,
p 2.

JPRS 13267

USSR
Econ
Apr 62

190,704

Effect of Some Neurotropic Substances on the Development of Experimental Atherosclerosis, by I. K. Shkhvatskaya. 47

RUSSIAN, per, Bull Eksp1, Bibli Med, Vol 41, 1956, pp 39-42.

ATS RJ-5462

I. K. Shkhvatskaya

Sci-BEM

June 70

Addressing Problems of Cardio-Vascular Pathology
12th Scientific Session of the Institute of Therapy
of the Academy of Medical Sciences USSR), by I. K.
Khvatsabaya, 11 pp.

RUSSIAN, per, Vest Ak Med Nauk SSSR, Vol XVI, No 6, 1961,
p 82-87.

JPRS 4953

168,945

ci - Med

ep 61

(S3 1100/16)

NEW MATERIAL ON THE DEVELOPMENT OF NEGATIVE
SPARK AND ITS COMPARISON TO LIGHTNING,
BY I. S. STENOL'NIKOV, A. V. SHKILEV,
10 PP.

RUSSIAN, PER, DOKLADY AK NAUK SSSR, VOL CXLV,
NO 4, 1962, PP 782-787.

JPRS 16782

SCI - PHYS

16782

16782

(NY-6169)

New Material on the Development of a Channel of
a Long Spark, by I. S. Stekol'nikov, A. V. Shkilev,
13 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVI, No 4,
1961, pp 803-806.

JPRS 9282

155,452

Sci - Electron

Jun 61

73
Change in the Starting Torque of an Induction
Motor When the Windings Are Heated, by G.
Ya. Shkil'ko, G. V. Sopin.
RUSSIAN, per, Elektrotekhnika, No 9, 1963, pp
71-2.

NLL RTS 2738

G. Ya. Shkil'ko

Sci - Eng
Oct 67

342,708

Technique for Simultaneous Bilateral Removal of
Inguinal and Femoral Lymph Nodes in Cancer of
the Penis, by M. I. Shkil'nik, 6 pp.

RUSSIAN, per, Voprosy Onkol, Vol VI, No 7, 1960,
pp 86-90.

PP

Sci
Mar 61

144,018

Moisture Regulation in Sod-Podzolic Soil by
Drainage, by Ts. N. Shkinkis, 5 pp.
RUSSIAN, par, ~~Pochvovedeniye~~, No 4, 1962,
pp 1-6.

XST

Scripta Technica

Sci

Oct 63

241,974

Moisture Regulation in Sod-Podzolic Soil by
Drainage, by Ts. N. Shinkis.

RUSSIAN, per, Pochvovedeniye, No 4, 1962, 1-6 pp.

SCRIPTA TECHNICA

Sci
Oct 63

241,997

Lenticular Spreading of underground waters,
by L. A. Galin, Z. F. Karpicheva, A. R.
Shkirich, 7 pp.

RUSSIAN, per, Prikl Matemat i Mekh, Vol XXIV,
No 3, 1960, pp 559-562.

pp

Sci

Jun 61

157, 206

Spectroluminescent Properties of Benzoporphyrins
by K.N. Solov'ev, S.F. Shkirman et al, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz,
Vol XXVII, No 6, 1963, pp 763-766.

CIT

Sci
Jun 64

261, 861

SHORTAGE OF EQUIPMENT FOR MINERAL FERTILIZER
CONSTRUCTION PROJECTS, BY P. BENEZHKIN,
YE. SHLAIN, ET AL, 5 PP.

RUSSIAN, NP, LENINSKOYE ZNAMENIE, 9 OCT 1963, P 1.

JPRS 22458

USSR
ECON
JAN 64

245, XI 065

Casting in Melted Form, by Ya. I.
Shklovskiy and A. V. Baranov.
MOSCOW, U.S.S.R., 1957. 112 pp. 22 cm.
Unpublished, 1957. 112 pp.
1957. 112 pp.
ID 22044757

61

ya. I. Shklovskiy

Sci-Materials
Nov 67

Investment Casting, by Ye. I. Shklovskii, A. V. Baranov,
et al. 43 pp.

RUSSIAN, bk. Lk'ya po Vyshtyayemym Modelyam,
Leningrad, 1961, pp 324-343; 452-453.

JPRS 23173

Sci-Mat & Mat
Dec 61

242,631

84
Lost Wax Casting, by Ya. I. Shklennik,
A. V. Barmakov.
RUSSIAN, bk. Lit'ya Po Vyplavlyvaniyu Modelyan.
457 pp.
ACSI J-3552
IN 2204049567

Ya. I. Shklennik

Sci/Mat
Aug 68

362.953

90
Lost Wax Investment Casting, by Ya. L.
Shklessnik and V. A. Ozerov
RUSSIAN, per., 'Lit'zno Vyslovlyeniye
Modelyem, Sec. VII, 1961, pp 369-370.
RLI Ref: 5828.47 (12828)

Ya. L. Shklessnik

Sci-Mechanical
July 68

360,846

To Prevent the Danger of Smut Epiphytotics on
Virgin Soils, by T. N. Shklier.

RUSSIAN, per, Zashchita Rastenii ot Vreditel'ei i
Boleznei, Vol IV, No 1, Jan/Feb 1958, pp 18, 19.
CIA 9040629

USDA

Sci - Biology
Jul 59

90,967

New Interferometric Method of Measuring the
Dispersion of Liquids, by I. N. ~~Solov~~liarevskii,
3 p.

RUSSIAN, per, Optika i Spektro, Ak Nauk SSSR,
1959, pp 780-783. Vol VI, No 6

Optical Society of Amer

Sci
Jan 60

105098

The Anomalous Skin-Effect and Optical Constants
of Copper, Silver, Gold and Nickel in the
Infrared Region of the Spectrum, by I. N.
Sukharevskii, V. G. Padalka, 3 p.

RUSSIAN, pr, Optika i Spektroskopiia, Ak Nauk
SSSR, 1959, Vol VI, No 6, pp 776-779.

Opt Society of Amer

Sci
Jan 60

105098

Measurement of the Indices of Refraction of Thin
Films of Zinc Sulfide and Cryolite, by I. N.
Shkliarevskiy, A. N. Riazanov, 5 pp.

RUSSIAN, per, Zhur Tekh. Fiz, Vol XXVI, No 3, Mar
1956, pp ~~659-663~~. 659-663.

Amer Inst of Phys
Soviet Phys-Tech Phys
Vol I, No 3

Sci - Physics
Aug 57

51,790

On the Question of the Phase Relations at the
Boundary Between a Dielectric and a Metal, by
M. I. N. Shklyarevsky, 10 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 2, Feb
1956, pp 333-342.

Amer Inst of Phys
Soviet Phys-Tech Phys
Vol I, No 2

Sci - Phys
Aug 57

51,499

Automation of Electric Drives for Bucket-Chain
Dredgers, by L. F. Shklyarskiy, 9 pp.

RUSSIAN, per, Elektrichestvo, No 1, 1957, pp 22-25.

FP

Sci

Feb 61

139, 016

Optical Properties of Compound Interference Light-Filters, by K. D. Sinel'nikov, I. N. Shkliarevskiy, N. A. Vlasenko, 6 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 1, Jan 1956, pp 96-101.

Amer Inst of Phys
Soviet Phys-Tech Phys
Vol I, No 1

Sci - Phys
Aug 57

51,474

On the Physiological Role of Boron, by
M. Ya. Shkol'nik, E. A. Solov'yeva-Troitskaya,
13 pp.

RUSSIAN, per, Botanicheskii Zhur, Vol XLVII,
No 5, 1962. 9201250

AEC-tr-5492

Sci - Chem
Jan 63

504,631

Significance of Boron in Nucleic Acid Metabolism,
by M. Ya. Shkol'nik, A. N. Mayevskaya, 12 pp.

RUSSIAN, per, Fiz Rasteniy, Vol IX, No 3, 1962.
9201249

ABC-tr-5491

Sci - Chem
Jan 63

220, 223

Effect of Soil Temperature on the Content of
Different Forms of Boron in Bean Plants
(Phaseolus Vulgaris L.), by T. A. Paribok,
M. Ya. Shkol'nik, 14 pp.

RUSSIAN, per, Trudy Botanicheskogo Inst imeni
V. L. Komarova, Ak Nauk SSSR, Eksperimental'naya
Botanika, Vol IV, No 15, 1962. 9201248

Sci - Biol
Jan 63

AEC-tr-5488

220,855

MORPHOLOGICAL CHANGES IN SUNFLOWER AS A
RESULT OF BORON DEFICIENCY, BY N. YA.
SHKOLNIK, A. N. MAYEVSKAYA, 6 PP.

RUSSIAN, PER, NAUCHI DOK VYSSHEY SHKOLY.
BIOL NAUK, NO 1, 1961, P 143. 9082378

AEC TR-4796

SCI - BIOL

NOV 61

173,295

Shkol'nik, M. Ya., and Solov'eva, E. A.
SUR LE RÔLE PHYSIOLOGIQUE DE BORE. I. SUP-
PRESSION DES EFFETS DE L'INSUFFISANCE DE
BORE PAR L'ACIDE NUCLÉIQUE (The Physiological
Role of Boron. I. Elimination of Boron Deficiency by
Using Nucleic Acid). 25p, 20refs, CNRS-XXVII 173.
Order from OTS, ETC or CNRS \$0.95 TT 62-29198

Trans., in French of Botanicheskii Zhurnal (USSR),
1961, v. 46, no. 2, p. 161-171.
A translation in English is available from OTS or SLA
\$1.60 as AEC-tr-4808.

DESCRIPTORS: *Boron, Physiology, Plants (Botany),
Deficiency diseases, Nucleic acids, *Metabolism,
Cells (Biology), Tissues (Biology), Membranes
(Biology).

(Biological Sciences--Botany, TT, v. 11, no. 8)

TT 62-29198

I. Shkol'nik, M. Ya.
II. Solov'eva, E. A.
III. CNRS-XXVII 173
IV. Centre National de la Recherche
Scientifique, Paris

Office of Technical Services
European Translations Centre

The Excursion Catamaran "Otdikh", by G. B. Shkol'nikov,
6 pp.

RUSSIAN, per, Sudostroyeniye, No 7, 1964, pp 1-4.

JPRS: 27391

USSR
Sci - Engr
Jan 65

270,853

Evaluating the Accuracy of Visual Observation
of Stations of the USSR from Data of Observations
of Satellite 1960 E3 in 1961, by M.A. Lur'ye,
N. L. Shkol'nikova. 31 pp.

RUSSIAN, per, Byulleten' Stantsiy Opticheskogo
Izusstvennykh Sputnikov Zemli, No 35, 1963,
pp 1-6. 9700774
FTD-MT-64-512

N. L. Shkol'nikova

Sci/Aerospace
Jul 66

303,786

Colorimetric System With Uniform Chromaticity
Scales, ~~by D. A. Shklover~~ by D. A. Shklover, 5 pp.

RUSSIAN, rpt, Chetvertoye Soveshchaniye po Fiz
Optike (IVth Convention on Physiological Optics),
Leningrad, Leningrad, 1955, pp 123-124.

CIA/FDD X-2785

SLA R-2326 60,692

Sci - Phys
Mar 58

Sci Mus Lib 5/2/69

Investigation of the Spectral Sensitivity of
Photographic Coatings Containing Chromates, by
F. Ya. Shklover, 9 pp.

RUSSIAN, per, Zhurnal Nauchnoy i Prikladnoy
Fotografii i Kinematografii, Vol III, No 3,
May-Jun 1958, pp191-196.

CIA/FDD XX-622

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Physics

Jun 59

USIB INTERNAL USE ONLY

SLA 59-15703

USIR LRU MS 1143
89, 840

Diagrams of Phase Transformations of Binary Systems
Formed by Nitrates of Rubidium and Cesium With the
Nitrates of Strontium and Barium, by V. Ye.
Plyushchev, I. B. Markina, L. P. Shklover, 9 pp.

RUSSIAN, per, Zhur Georg Khim, No 1, 1956,
pp 1613-1618. 649549

Picatinny Arsenal Tr 50
OTIA 4346
FDD/X-3658

Sci
Nov 59

100, 501

Polymorphism of Rubidium and Cesium Nitrates
and Their Interaction With Barium Nitrate, *by*
V. B. Plyushech, I. B. Markina and L. P. Shklover,
4 pp.

RUSSIAN, three-no per, Dok Ak Nauk SSSR,
Vol CVIII, ~~NUMBER~~ No 4, ~~pp~~ pp 645-647.

Consultants Bureau

Sci - Chemistry
Jan 57 ~~ENX~~ CTS

43,182

Propagation Velocity of Finite Amplitude Ultrasonic
Waves in a Liquid, by L. K. Zarembo, V. V.
Shklovskaya-Kordi, 5 pp.

RUSSIAN, per, Akust Zhur, Vol VI, No 1, 1960,
pp 47-51.

AIP
Sov Phys-Acoustics
Vol VI, No 1

Sci

126,304

Sep 60

The Absorption of Ultrasonic Waves of Finite
Amplitude in Liquids, by L. K. Zarembo,
V. A. Krasil'nikov, V. V. Shklovskaya-Kordy,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec,
Col CIX, No 4, Jul-Aug 1956, pp 731-7.

Amer Inst of Phys
Sov Phys "Doklady"
Vol I, No 4

51, 682

Sci - Phys
Aug 57

The Distortion of Ultrasonic Waves of Finite
Amplitude in Liquids, by L. K. Zarembo, V. A.
Krasil'nikov, V. V. Shklovskaya-Kordy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec,
Vol CXI, No 3, Jul-Aug 1956, pp 485-

Amer Inst of Phys
Sov Phys "Doklady"
Vol I, No 4

Sci - Phys
Aug 57

51,670

New Method of Estimating the Destiny of
Intergalactic Gas, by I Shklovskii.
RUSSIAN, per, Astronomicheskii Tzirkulyar,
No 303, 1964, pp 3-6.
CSIRO/No. 7356

I. SHKLOUSKII.

Sci -
Aug 67

334,882

Here She Is, the Artificial Comet, by I. Shklovsky,
4 pp.

Investiya, 18
RUSSIAN, np, Pravda, 12 September 1959. CIA 9044795

Jet Propulsion Lab
JPLAI/Trans No 10
FID X-3881

Nov 59

101,291

62-17329

Shklyarskii, D. O., Chentsov, N. N., and Yaglom,
I. M.

THE USSR OLYMPIAD PROBLEM BOOK: SELECTED
PROBLEMS AND THEOREMS OF ELEMENTARY
MATHEMATICS, 3D REV. ED., tr. by John
Maykovich. May 62, 462p.
Order from W. H. Freeman and Company, 660 Mar-
ket St., San Francisco 4, Calif. \$9.00

Trans. of [Izbrannye Zadachi i Teoremy Elementarnoi
Matematiki] 3d rev. ed. [Moscow, 1959, 455p.].

DESCRIPTORS: *Mathematics, Algebra, Number
theory, Trigonometry, Polynomials, Complex num-
bers, Inequalities, Sequences, Series.

(Mathematics, TT, v. 8, no. 1)

I. Title: Olympiad problem book

I. Shklyarskii, D. O.

II. Chentsov, N. N.

III. Yaglom, I. M.

IV. Title: Selected ...

V. Freeman, W. H., and Co.,
San Francisco, Calif.

Office of Technical Services

The Problem of the Ionization of the Solar Corona, by
I. S. Shklovskiy, 76 pp.

RUSSIAN, ~~per~~ bk, Solnechnaya Korona, 1951, Chap IV,
pp 189-246.

Amer Meteorol Soc for
Geophys Res Dir, ASTIA,
T-278

Ionization of the Chromosphere and Prominences and
the Problem of Density Distribution in the Chromo-
sphere, by I. S. Shklovskiy, 44 pp.

RUSSIAN, per, Vol XX, 1961, pp 5-25. 9678098

FTD MCL-451

Sci - Astron
12 Sep 62

(DC-4024).

"Corona" of the Earth, by I. Shklovskiy, 6 pp.

RUSSIAN, ~~USSR~~ np, Pravda, 25 May 1960, p 6.

IGC
OTS PB 131632-126

Sci - Geophys
Jun 60

118,661

CIA/FOUO 8-9-72

(HX-6500)

Advances in Radioastronomy and the
Radioastronomical Theory of the Origin of
Cosmic Rays, by I. S. Shklovskiy, 9 pp.

RUSSIAN, per, Trudy Mezhdunarodnoy
Konferentsii po Kosmicheskim Lucham,
Vol III, 1960, pp 209-215.

JPRS 10983

Sci - Sp Research
Dec 61

176,283

On Hydrogen Emission in the Night Glow,
by I. S. Shklovsky, 3 pp.

RUSSIAN, rpt.

Plan/Sp Sci
Vol I, No 1
pp 63-65
PP 1959
168, 366

Sci - Chem

22 Sep 61

Cosmic Radio Waves, by I. S. Shklovskiy,
441 pp.

RUSSIAN, bk, Kosmicheskoye Radioizlucheniye,
1956, 492 pp.

Harvard Un Press

Sci-Aero

May 61

CIA QB 475 842 B5

159,765

(DC-66/13)

Radar Observations of Venus, by V. A. Kotel'nikov,
I. S. Shklovskiy, 6 pp.

^{np}
RUSSIAN, ~~pp~~, Izvestiya, 12 May 1961, p 3.

JPRS 8481

161,491

Sci - Space Res

Aug 61

Radio Galaxies, by I. S. Shklovskiy, 12 pp.
RUSSIAN, per, Astron Zhur, Vol XXXVII, No 6,
1960, pp 945-960.

AIP
Sov Astron - AJ
Vol IV, No 6

Sci
Jul 61

159,678 L

An Artificial Comet as a Method for Optical
Tracking of Cosmic Rockets, by I. S. Shklovskii,
24 pp.

RUSSIAN, bk, Iskusstvennyye Sputniki Zemli, No 4,
1960.

Plenum Press

In CIA Lib
Sci - Space Res
Jun 61

153,447

The Nature of Supernovae, by I. S. Shklovskiy, 10 pp.
RUSSIAN, per, Astron Zhur, vol XXXVII, No 3,
1960, pp 369-380.

AIP
Sov Astron-AJ
Vol IV, No 3

Sci

Feb 61

140,200

Shklovskii, I. S. and Kurt, V. G.
DETERMINATION OF ATMOSPHERIC DENSITY AT
A HEIGHT OF 430 KM BY THE SODIUM VAPOUR
DIFFUSION METHOD (Opredelenie Plotnosti Atmosfery
na Vysote 430 KM Metodom Diffuzii Parov Natriya) tr.
by J. W. Palmer. May 60 [14p] 16 refs RAE Library
Trans. no. 896.
Order from OTS, SLA, or ETC \$1.60 TT-63-24297

Trans. of Iakushtvennye Sputniki Zemli (USSR) 1959,
v. 3, p. 66-76.
Another trans. is available from OTS or SLA \$1.60 as
TT-60-21443, NASA TT-F-15, Apr 60, 13p.

DESCRIPTORS: *Upper atmosphere, Density,
Barometric pressure, Meteorological parameters,
Sodium, Vapors, Diffusion, High altitude, Rockets.

For abstract see Technical Translations 4: 214, 1960
(Earth Sciences--Atmosphere, TT, v. 11, no. 3)

TT-63-24297

I. Shklovskii, I. S.
II. Kurt, V. G.
III. RAE Trans-896
IV. Royal Aircraft
Establishment (Gt. Brit.)
V. NASA TT-15

1507974

Office of Technical Services

(DC-3466).

Optical Methods of Observing Artificial Earth
Satellites, by I. S. Shklovskiy, 9 pp.

RUSSIAN, bk, Iskusstvennye Sputniki Zemli, No 1,
1958, pp 44-49.

JPRS 3174
RAE 82 824

Sci - Space Res .
May 60

115,999

Calculating the Concentration of Corona-Ions in
Primary Quantum States, by I. B. Shklovskiy, 43 pp

RUSSIAN, per, Izvestiya Krimskoy Astrofizicheskoy Over
Vol 5, 1950, pp 109-134 965 2150

ATIC WCL-81/1

Sci
Geophys
Dec 60

134,072

The Ultraviolet Radiation and Soft X Rays of the Sun, by
by I. S. Shklovskiy, 23 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXXV, Sep/Oct 1961,
pp 351-.

AIF
Sov Phys - Uspekhi
Vol IV, No 5

Sci

Jul 62

204,333

Detection in the Upper Atmosphere of Electrons With
Energies of ~ 10 Kev by Means of the Third
Satellite (Sputnik), by V. I. Krassovsky, I. S.
Shklovsky, Yu. I. Galperin, E. M. Svetlitsky.
UNCLASSIFIED

RUSSIAN, per, Is Ak Nauk SSSR, Ser Geofiz, No 8,
1959, pp 1157-1163.

Navy 2435/MRL 773

Sci - Space Res
Mar 60

109,921

A Possible New Type of Fluorescence of the Earth's
Atmosphere, by I. S. Shklovskiy, 3 pp.

RUSSIAN, per, Astron Zhur, Vol XXXIV, No 1, 1957,
pp 127-130.

Amer Inst of Phys
Sov Astron - AJ
Vol I, No 1

Sci - Astron

Apr 59

84/11

An Investigation of the Properties and Energy
Dissipation of the Gaseous Galactic Corona, by
S. D. Pikel'ner and I. S. Shklovskiy, 12 pp.

RUSSIAN, per, Astron Zhur, Vol XXXIV, No 2, 1957,
pp 145-158.

Amir Inst of High phys
Sov Astron - AJ
Vol I, No 2

Sci - Astron

Apr 59

84,082

The Problems of the Anomalous Distribution of
Densities in the Chromosphere, by I. S. Shklovskiy,
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXVIII, No 5,
1949, pp 829-831. *CIA 657953*

ATIC MCL-80/III

Sci - Geophys

Aug 60

123,876

<p>NCH-202 056 Field 3A</p> <p>Shklovskii, I. S. THE NATURE OF PLANETARY NEBULAE AND THEIR NUCLEI (O Prirode Planetarnykh Tumannostei i Ikh Yader). May 64, 28p. RTS-2720. Order from NLL: 37s 6d as RTS-2720</p> <p>Trans. of Astronomicheskii Zhurnal (USSR) v33 n3 p315-39 1958.</p>	<p>I. National Lending Library for Science and Technology, Boston Spa (England)</p>
--	---

On the Problem of Lithium, Beryllium and
Deuterium Content in the Solar Atmosphere, by
I. S. Shklovskiy, 4-1p.

RUSSIAN, thrice-no par, Dok Ak Nauk SSSR,
CV, 1955, pp 931-934.

AM: Tr 2757

Sci - Geophysics
Jun 57

48, 6 48

Sci Mus Lib 57/2571

Possibility of Observing Monochromatic Radio
Emission From Interstellar Molecules, by I. S.
Shklovskiy. UNCLASSIFIED

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol XCII, No 1, 1953, pp 25-28.

CIA 9007391

Am Med Sec T-277RU
RT-4073
Air Res and
Dev Command
T-195-R

Scientific - Astronomy

CTS 67/Apr 55

22,937

Secular Variation of the Flux and Intensity of
Radio Emission from Discrete Sources, by I. S.
Shklovskiy, 7 pp.

Russian, per, Astron Zhur, Vol XXXVII, No 2,
1960, pp 256-264

AIP
Sov Astron - AJ
Vol IV, No 2

Sci

Nov 60

132,960

The Nature of the Third Radiation Belt of the
Earth, by I. S. Shklovskiy, V. I. Moroz, V. G.
Krut, 6 pp. ~~XXXXXXXXXX~~

RUSSIAN, per, Astron Zhur Indetal Ak Nauk SSSR,
Vol XXXVII, No 5, 1960, pp 931-934.

CIA/TED X-4547

Sci - Physics
Feb 61

138,267

S-146-60

(DC-3452).

The Nature of Corpuscular Radiation in the Upper Atmosphere, by I. S. Saklovskiy, V. I. Krasovskiy, Yu. I. Gal'perin, 12 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 12, 1959, pp 1799-1805.

JPRS 3123

Sci - Geophys, Phys
Apr 60

111,947

The Interplanetary Medium and Some Problems of the
Physics of the Upper Atmosphere, by I. S. Shklovskiy,
12 pp.

RUSSIAN, per, Astron Zhur, Vol XXIV, No 4, 1958,
pp 557-571.

Amer Inst of Phys
Sov Astron - AJ
Vol II, No 4

Sci - Astron
Jul 59

91,670

On the Nature of the Earth's Third Radiation Belt,
by I. S. Shklovskiy, V. I. Moroz, V. G. Kurt, 2 pp.

RUSSIAN, per, *Astronomicheskiy Zhurnal*, Vol XXXVII,
No 5, Sep-Oct 1960, pp 931-934.

Interntl Physical Index
Physics Express
Vol III, No 6

Sci - Astron

146, 295

Apr 61

Radio Galaxies, by I. S. Shklovskiy, 6 pp.

RUSSIAN, per, Uspekhi Fiz. Nauk, Vol LXXVII, No 1-2,
1962, pp 3-60.

Amer Inst of Physics
Sov Phys - Uspekhi
Vol V, No 2

Sci

Mar 63

233,127

On Possible Mechanisms of Emission of Discrete
Galactic Objects in the Spectral Region 1200-
1350 A, by S. B. Pikel'ner, L. S. Shklovskiy,
G. S. Ivanov-Kholodnyy, 4 pp.

RUSSIAN, par, Astron Zhur, Vol. XXXVI, No 2,
1959, pp 264-268.

AMF
Sov Astron-AJ
Vol III, No 2

Sci
Jan 60

Navy/NRL

106,607

The Ultraviolet Radiation of the Crown and the Chromosphere and the Ionization of the Terrestrial Atmosphere, by I. S. Shklovskiy, 55 pp.

RUSSIAN, per, Iz Krymskoy Astrofiz Observ,
Vol IV, 1949, pp 80-113!

3/2
ATIC MCL-VII/III

CIA-654337

Sci - Astron
Feb 60

106,613

On the Mechanism of the Excitation of Auroral
Luminescence, by I. S. Shklovskiy, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXI,
No 4, 1951, pp 525-528.

Am. Mus. Soc. T-37

Air Research and Development Center,
Baltimore, Md. T-194-R

DOC X-71

RR 13 T 76 R

CIA 0167261
0450436

USSR

Scientific - Geophysics

Mar 51 CTS

11,081

Doc. Mus. Soc. X-74-2-1 C

The Radiation of Hydrogen Lines in the Auroral
Spectrum, by I. S. Shklovskiy, 7 pp. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk, SSSR,
Vol LXIXI, No 3, 1951, pp 367-370. 0197037

Am. Mus. Soc. T-381RU

Air Res & Dev Command
Baltimore, Md.

T-197-R

Scientific - Astronomy
CTS/DEX

11,395

Quantitative Analysis of the Intensity of the
Hydroxyl Emission of the Night Sky, by I. S.
Suklovskiy, 8 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXV,
No 6, USSR, 1950, pp 789-792. D197037

Am. Nat. Soc. T-279RU

RT 4/67
CIA/FDD/X-1147

Air Res + Dev Command T-196-R

See Astronomy

7562

Identification of Infrared Radiation of the Night
Sky by Vibrational-Rotational Bands of the OH
Molecule., by I. S. Shklovskiy, 7 pp.
UNCLASSIFIED

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXV,
No 3, 1950, pp 371-374. D197036

Am/Ad Sec T-27542 RJ-4042
Air Res & Dev Command
Baltimore, Md.
T-193-R

Scientific - Astronomy
CTS/DEX

11,394

(FDD 19634)

Success of Radio Astronomy, by I. C. Shklovskiy,
10 pp.

RUSSIAN, no per, Nauka i Zhizn', No 9, Moscow,
Sep 1953, pp 14-16.

CIA 'FDD U-5466

USSR

10,749

Sci - Astronomy, radio astronomy

Feb 54

RIDDLE OF THE MARTIAN ~~S~~ATELLITES, BY
I. S. SHKLOVSKIY, 3 PP.

RUSSIAN, NP, KOMSOMOL'SKAYA PRAVDA, 31 MAY
1959. 9677382

FTD-TT-62-488

SCI-SPACE/RES

10 JUL 62

202,212

ARTIFICIAL SATELLITES OF MARS, BY I. S.
SHKLOVSKIY, 6 PP.

RUSSIAN, MP, KOMSOMOL'SKAYA PRAVDA, 1 MAY 1959.
9677382

FTD-TT-62-488

SCI-SPACE/RES

10 JUL 62

202,211

Nature of the Infrared Radiation of the
Night ~~SKY~~ Sky, by I. S. Shklovskiy, 37 pp.

Full Tr

RUSSIAN, per, Iz Krim Astrofiz⁰⁸, Vol VII,
1951, pp 34-58. CIA 56344/1

CIA 642480

40,818

ATIC F-TS-8712/III

Scientific - Astronomy

Nov 55 CTS/DEX

Solar Radiation, by I. S. Shklovsky, 1 p.

RUSSIAN, np, Izvestiya, 26 Aug 1960.

Jet Propulsion Lab

Sci

Oct 60

CIA/FDD X-4460

On the Question of Solar Chromospheric Models, by
I. S. Shklovskiy, E. W. Yononovitch, 24 pp.

~~PER~~ ^{XXXV}
RUSSIAN, Astron Zhur, Vol. 35, 1958, p 37.

CIA/RDD/11-2990

USSR
Scientific

68,174

On the Nature of Luminescence of the Crab Nebula,
by I. S. Shklovski, 4 pp. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC, No 6,
1953, pp 983-986.

Navy Tr 964/NRL 468

Scientific - Astronomy

Mar 54 CTS

11, 103

Radio Waves From the Moon, by I. S. Shklovskiy, 4 pp.

RUSSIAN, bk, Radioastronomiya, Moscow, 1955, pp 97-101, Encl to IR-1283-57, AFOIN-1A1.

AID/Mar 57

Sci - Astronomy

50,842

Aug 57

The Detection of 10-Mev Electrons in the Upper
Atmosphere by the Third Russian Satellite,
by V. I. Krassovsky, I. S. Shklovsky, Yu. I.
Gal'perin, E. M. Svetlitsky, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz,
No 8, 1959, pp 1157-1163.

Amer Geophys Union

Sci
Aug 60

124, 452

Optical Observations of Artificial Satellites,
by I. S. Shklovskiy, P. V. Shsheglov.
UNCLASSIFIED

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXIV, No 3,
1958, Encl to IR-786-58, AA, London.

AF 1180513

Sci - Space Res
Jul 58

66,676.

Once More on The Distances to Planetary
Nebulae and The Evolution of Their Nuclei,
by I.S. Shklovskiy, 7 pp.

RUSSIAN, per Astron Zhur, Vol XXXIV, No 3,
1957, pp 403-411

Amer Inst of Phys
Sov Astron - AJ
Vol I, No 3

A Sci - Astron
Apr 59

84,600

On the Nature of the Optical Emission from the
Crab Nebula. I. S. Shklovskiy, p 8.

RUSSIAN, per, Astron Zhur, Vol XXXIV, No 5, 1957,
pp 706-715.

Amer Inst of Phys
Sov Astron - AJ
Vol I, No 5

Sci - Astron

Apr 59

84,665